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**Attorney Docket No. : 202.2D2**

**Applicant(s) : Clarence N. Ahlem, et al**

**For : Pharmaceutical Compositions and Treatment Methods**

**Application serial No.: 10/602,330**

**Attorney : Daryl D. Muenchau, Registration No. 36,616**

**Date of Deposit : May 24, 2005**

I hereby certify that the accompanying Transmittal, Information Disclosure Statement, 28 references, and return postage prepaid postcard are being deposited with the United States Postal Service First-Class Mail Post Office to Addressee service, pursuant to 37 CFR § 1.8, on the date indicated above and are addressed to the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, Mail Stop Amendment.

Brenda Mannon

Brenda Mannon-Freeman



PATENT  
Docket No. 202.2D2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Clarence N. Ahlem, et al.  
Application No. : 10/602,330  
Filed : June 23, 2003  
Title : Pharmaceutical Compositions and Treatment Methods  
Examiner : Barbara P. Badio

Group Art Unit : 1617  
Customer No. : 26551  
Confirmation No. : 9052

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**INFORMATION DISCLOSURE STATEMENT**  
**TRANSMITTAL**

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 28 references that are also enclosed. No fee is required in accordance with 37 C.F.R. § 1.97(b).

Respectfully submitted,

HOLLIS-EDEN PHARMACEUTICALS, INC.

Dated: May 24, 2005

By: Daryl D Muenchau

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 202.2D2	APPLICATION NO. 10/602,330
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
MAY 27 2005 (USE SEVERAL SHEETS IF NECESSARY)			
		FILING DATE June 23, 2003	GROUP 1617

## U.S. PATENT DOCUMENTS

EXAMINER Approval Date	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

## U.S. PATENT APPLICATION PUBLICATION DOCUMENTS

EXAMINER INITIAL	DOCUMENT SERIAL NUMBER	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

## FOREIGN PATENT DOCUMENTS

EXAMINER Approval Date	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES      NO

EXAMINER Approval Date	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Araghi-Niknam et al., Modulation of immune dysfunction during murine leukaemia retrovirus infection of old mice by dehydroepiandrosterone sulphate (DHEAS), <i>Immunology</i> 90:344-349 (1997)
	Byron J, Nature of the erythropoietin-independent response of CFU-S to steroids, <i>Exp. Hematol.</i> 8:160-167 (1980)
	Byron J, Manipulation of the cell cycle of the hemopoietic stem cell, <i>Exp. Hemat.</i> 3:44-53 (1975)
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	Horn, Y., The effect of androgenic hormones on bone marrow of rats receiving chemotherapy, <i>Oncology</i> 25:512-519 (1971)
	Kang et al., Dehydroepiandrosterone and β-endorphin enhance IL-12 gene expression, <i>Taehan Misaengmulhak Hoechi</i> (J. Korean Soc. Microbiology) 31(4):399-404 (1996) (translation from Korean)
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EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 202.2D2	APPLICATION NO. 10/602,330
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Clarence N. Ahlem, et al	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE June 23, 2003	GROUP 1617

EXAMINER Approval Date	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Leroy et al., Estrogen-like effect of 5-androstene-3 $\beta$ , 17 $\beta$ -diol on the induction of fetal thymidine kinase in the rat uterus, <i>J. Steroid Biochem</i> 31(4):453-458 (1988)
	Loria et al., Mobilization of cutaneous immunity for systemic protection against infections, <i>Ann NY Acad Sci</i> 650:636-666 (1992)
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	Weisz et al., Selective reactions of some steroids with diethyl dicarbonate, <i>Archiv der Pharmazie</i> 319:952-953 (1986)
	Whitnall et al., Androstenediol stimulates myelopoiesis but not lymphopoiesis in irradiated mice, <i>Blood</i> 90(10)(1), 175a (1997)
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